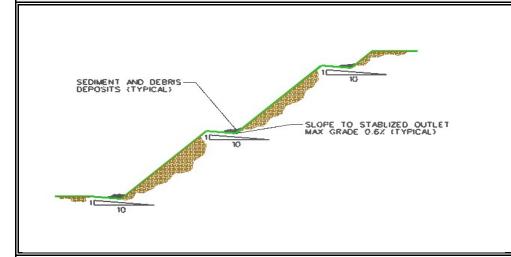
BMP: Benching BE



### **OBJECTIVES**

- ☐ Housekeeping Practices
- □ Contain Waste
- □ Minimize Disturbed Areas
- Stabilize Disturbed Areas
- ☑ Protect Slopes/Channels
- □ Control Site Perimeter
- □ Control Internal Erosion

#### DESCRIPTION:

Slope construction with benches spaced at regular intervals perpendicular to the slope which intercept and collect sheet flow and direct it to a stable outfall point.

#### APPLICATION:

- Unstabilized cut and fill slopes
- Large stockpiles
- Existing unstable slopes

## INSTALLATION/APPLICATION CRITERIA:

- Benches should be formed as slope is constructed and graded to the outlet point.
- Stabilized outlet with sediment controls should be in place prior to slope construction.

# LIMITATIONS:

- Construction slope design must accommodate benching
- Not appropriate for sandy or rocky soil
- Only effective if suitable outlet provided

# MAINTENANCE:

- Inspect after major storm events and at least biannually, repair any damaged areas
- Remove debris blocking water flow
- Inspect outlet, repair/replace sediment controls and remove sediment build up.



ADAPTED FROM SALT LAKE COUNTY BMP FACTSHEET

### **TARGETED POLLUTANTS**

- Sediment
- □ Nutrients
- □ Toxic Materials
- □ Oil & Grease
- ☑ Floatable Materials
- □ Other Waste
- High Impact
- ☐ Low or Unknown Impact

#### **IMPLEMENTATION REQUIREMENTS**

- □ Capital Costs
- □ O&M Costs
- ☑ Maintenance
- □ Training
- High 🛛 Medium
- □ Low